

*Massachusetts Office of Coastal Zone Management
and the Merrimack Valley Planning Commission sponsor*

Low Impact Development

*A workshop for municipal officials and staff
(DPWs, Planning Boards, Conservation Commissions, Fire Chiefs, etc),
developers, landscape architects, realtors, architects, and engineers*



**Wednesday
September 20, 2006**

8:30 a.m. – 12:00 p.m.

**Northern Essex Community College
Technology Center; Room 103A
100 Elliott Street
Haverhill, MA.**

Low Impact Development is a more sustainable land development pattern that combines thoughtful site planning with best management practices to create projects with preserved open space, reduced impervious surfaces, improved stormwater drainage, and site-sensitive landscaping. It can be a useful tool for balancing development with the natural hydrology of the region. LID can help to maintain stream baseflows, minimize loss of recharge to aquifers, maintain stream and wetland buffers, help address flood concerns, and reduce stormwater pollutant loads from developments. This workshop will discuss the fundamentals of LID site design, provide examples of best management practices, and walk participants through a model LID bylaw. Massachusetts case studies of LID in practice will be highlighted.

This workshop and refreshments are *free*. For more information or to let us know in advance that you plan to attend, contact:

**Peter Phippen, Merrimack Valley Planning Commission
978-374-0519; PPhippen@mvpc.org**

or

**Andrea Cooper, EOEA CZM Smart Growth Coordinator
617-626-1222; Andrea.Cooper@state.ma.us**



8:30 a.m. Welcome

Alan Macintosh, Assistant Director
Merrimack Valley Planning Commission (MVPC)

8:40 a.m. LID Concepts and Benefits

Peter Phippen, Coastal Resources Coordinator
MVPC/Eight Towns and the Bay

9:05 a.m. LID and Phase II

LID Site Design

Ellie Stewart, Horsley Witten Group



9:30 a.m. LID Stormwater Best Management Practices

Local Regulations for LID Implementation

LID Model Bylaw

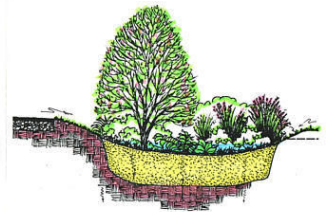
Richard Claytor, P. E. and Principal, Horsley Witten Group

10:15 a.m. Break and Refreshments

10:30 a.m. One Community's LID Success Story

The Cohasset Retrofit Project

Michael Clark, Associate, P.E., Norfolk Ram Group



11:00 a.m. LID Case Studies

Funding Programs and Available Technical Resources

Andrea Cooper, Smart Growth Coordinator
Executive Office of Environmental Affairs and
The Office of Coastal Zone Management

11:30 a.m. Questions and Answers

Directions: *Coming from the north, (on Rte 495 south) take exit 52 and turn right. Take the first left onto Elliott Street. The entrance to the campus is on your left.*

Coming from the south, (on Rte. 495 north) take exit 52 and turn left. Take the first left onto Elliott Street. The entrance to the campus is on your left.

Coming from the east, take Route 97 west to Route 125/110 north. Follow Route 110 until Elliott Street. Make a right onto Elliott Street. The entrance to the campus is on your left.

**Co-sponsored by the U.S. Environmental Protection Agency,
and the Executive Office of Environmental Affairs.**